

## Product datasheet for MR201885

### Fam168b (NM\_174997) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Fam168b (NM\_174997) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Fam168b  
 Synonyms: Mani; mKIAA4042  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR201885 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAATCCTGTTTATAGCCCTGGGTCTTCTGGCGTTCCTATGCAAATGCCAAAGGAATTGGATATCCAG  
 CTGGTTTTCTGTGGCTATGCAGCAGCACCTGCCTATTCTCCTAACATGTACCCGAGGCGAATCTAC  
 CTTCACAAACAGGCTACTCTGGCACACCTTACAAAGTGTCTGTTCCCAACCGAGGAGCTGTCCA  
 CCATACTCTCTCCCAATCCTTACCAGACGGCTGTGTACCCAGTGAAGTGCCTACCCCCAGCAGA  
 GTCCATACGCCCAAGGCACGTACTACACACAACCTCTGTATGCAGCACCTCCTCACGTATTACCA  
 CACCACGGTGGTGCAGCCAATGGCATGCCAGCAACAGTCTACCCCTGCTCCCATCCCTCCTAGAGGC  
 AGCGGGTACCATGGGCATGGTTGCTGGGACCAGATGGCCATGTCAGCAGGACTCTGCTGACTGCTC  
 ATTCTCCAACCTGTAGCCCCTCACCCGGTCACTGTCCCACATACCGAGCCCCAGGAACCCACCTA  
 CAGCTATGTGCCCCACAGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201885 protein sequence  
 Red=Cloning site Green=Tags(s)

MNPVYSPGSSGVPYANAKGIGYPAGFPVGYAAAPAYSPNMYPGANPTFQTGYTPGTPYKVSCSPTS  
 GAVP  
 PYSSSPNPYQTA VYPVRSAYPQQSPYAQQGTYYTQPLYAAPPHVIHHTTVVQPNGMPATVYP  
 APIPPPRG  
 SGVTMGMVAGTTMAMSAGTLLTAHSPTPVAPHPVTVPTYRAPGTPTYSYVPPQW

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_174997

**ORF Size:** 585 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_174997.2](#)

**RefSeq Size:** 5040 bp

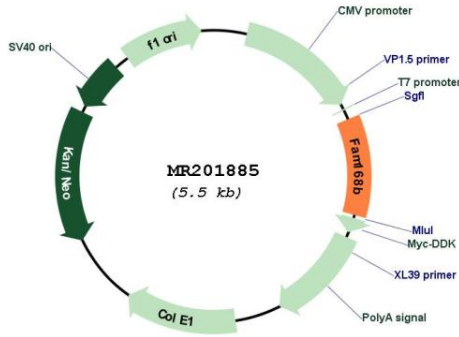
**RefSeq ORF:** 585 bp

**Locus ID:** 214469

**UniProt ID:** [Q80XQ8](#)

**Cytogenetics:** 1 B  
**MW:** 20.2 kDa  
**Gene Summary:** Inhibitor of neuronal axonal outgrowth. Acts as a negative regulator of CDC42 and STAT3 and a positive regulator of STMN2. Positive regulator of CDC27.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201885